

## **ABSTRACT OF THE DISCLOSURE**

A system and method for transmitting multiple data streams from a host to a printing device. Data streams are arranged according to color, segmented and compressed, if desired. If compression is used, each segment may be compressed with a different compression algorithm. Each segment contains a header describing the size of the data in the segment. The host transmits a print header containing information and instructions necessary for the print device to reassemble and process the data segments to produce a printed item.